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PATENT ABSTRACTS OF JAPAN

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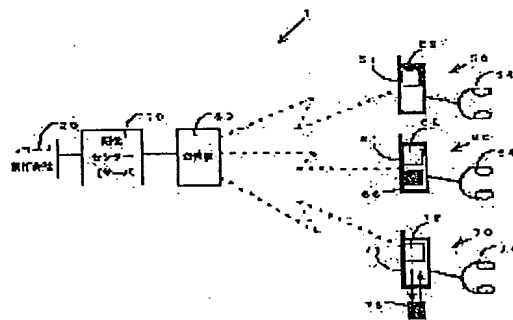
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(54) PORTABLE TYPE MUSIC SELECTION/VIEWING SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a system for offering a music software selected by a user while utilizing a mobile phone.

SOLUTION: A distribution center 10 having a server function receives provision of a music software from a record production company 20. A portable type music selection/viewing equipment 50 connected through a public line network 30 to the distribution center 10 has a main body 51 having a button input part, a display 52 provided on the main body 51 and receiver 54 for music, requests the music software selected by the user to the distribution center, and outputs the sounds of the received music software to the receiver 54 and outputs the lyrics or the like onto the display 52.



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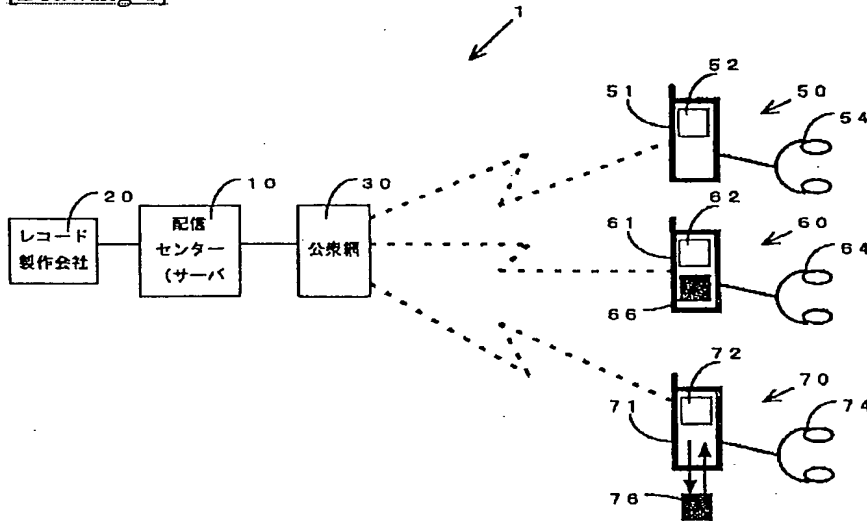
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DRAWINGS

[Drawing 1]



[Drawing 3]

- S 1 0 レコード製作会社 2 0 から配信センター 1 0 へ、曲・歌詞・画像の登録（変更・削除）を行う。
- S 1 1 ユーザの携帯型音楽選曲視聴機から配信センターを呼び出し、選曲する。（携帯型音楽選曲視聴機のディスプレイとプッシュボタンで、曲名・歌手名・ジャンル・曲名 No.・作曲家名等を選択できる。）
- S 1 2 選択した曲と歌詞・画像を配信センターからユーザの携帯型音楽選曲視聴機に回線を通して送信する。
- S 1 3 ユーザの携帯型音楽選曲視聴機のレシーバから音声、ディスプレイに歌詞と画像を表示する。記憶装置付きの場合は記録し、通話終了後も再生可能とする。
- S 1 4 配信センターから送信が終了したら課金処理を行う。課金処理については N T T の Q 2 方式に準拠して行う。
- S 1 5 記憶装置から再生中に電話着信があったら、割り込みの通知または表示をする。

[Drawing 2]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the distribution system of the music which used the telephone of a pocket mold.

[0002]

[Description of the Prior Art] For example, using the radio and television of a pocket mold, the broadcasting electric-wave from an earth station or a satellite can be received, and a music title can be enjoyed. Reception of this broadcasting electric-wave is one-way service from a broadcasting station, and a user cannot select a song. Moreover, if it is in an online karaoke system etc., the music from which the user selected the song using the wire circuit can be required of a pin center, large, and service can be received.

[0003]

[Problem(s) to be Solved by the Invention] It is possible to offer various kinds of services besides a call service to a user with the spread of the telephone systems of a pocket mold. This invention offers the music song selection viewing-and-listening system using the public line network of wireless.

[0004]

[Means for Solving the Problem] The music song selection viewing-and-listening system of this invention is equipped with the distribution pin center, large which has the server function to receive musical offer from the music company which manufactures a music title, and a music company as a fundamental means, and the pocket mold music song selection viewing-and-listening machine connected to a distribution pin center, large through a public line network. And a pocket mold music song selection viewing-and-listening machine transmits the inputted song selection information to a distribution pin center, large through a public line network, and is equipped with a means to output the music title sent from a distribution pin center, large as voice and text. Moreover, a pocket mold music song selection viewing-and-listening machine is equipped with a power supply section, a comprehensive control section, the storage section for telephone number registration, the carbon button input section, a display display, transmission and a receiver control section, a telephone transmitter and an earphone, the electric-wave transmit/receive control section, an antenna, the control section for music, the amplifier for music, and the receiver for music as a concrete means. Furthermore, a pocket mold music song selection viewing-and-listening machine can be equipped with the storage for music which can be detached and attached and which is equipped with the storage section for music which memorizes the received music title, or memorizes a music title.

[0005]

[Embodiment of the Invention] Drawing 1 is the whole pocket mold music song selection viewing-and-listening system block diagram of this invention. The system in which the whole is shown with a sign 1 has the distribution pin center, large 10 which is a server, and the distribution pin center, large 10 receives supply of a music content from the record manufacture firm 20. The pocket mold music song selection viewing-and-listening machines 50, 60, and 70 are connected through the public line network 30 to this distribution pin center, large 10.

[0006] The pocket mold music song selection viewing-and-listening machine 50 has the same structure as a portable telephone, and equips a display 52 with a push button required for a body 51 etc. A receiver 54 is connected to a body 51. The user who has the pocket mold music song selection

viewing-and-listening machine 50 operates the push button on a body 51 etc., calls the distribution pin center, large 10 via the public line network 30, and receives the music title to wish to have through the public line network 30. The received music title is amplified with the amplifier equipped in the body 51 of the pocket mold music song selection viewing-and-listening machine 50, and is outputted to a receiver 54.

[0007] The user putting on a receiver 54 can display words on a display 52 if needed, and can enjoy himself also as karaoke while he enjoys music. A memory function etc. is had and twisted, it is simplified and this pocket mold music song selection viewing-and-listening machine 50 can receive musical supply only during a line connection.

[0008] The pocket mold music song selection viewing-and-listening machine 60 shows the model which contains a store 66 in a body 61. If it is in the pocket mold music song selection viewing-and-listening machine 60 of this model, the music title which operated the push button of a body 61 etc., called the distribution pin center, large 10, and received supply is memorized by storage 66 while it is outputted to a receiver 64 and a display 62. Therefore, also after a user intercepts connection of a public line 30, he can reproduce the music title in storage 66, and can enjoy himself.

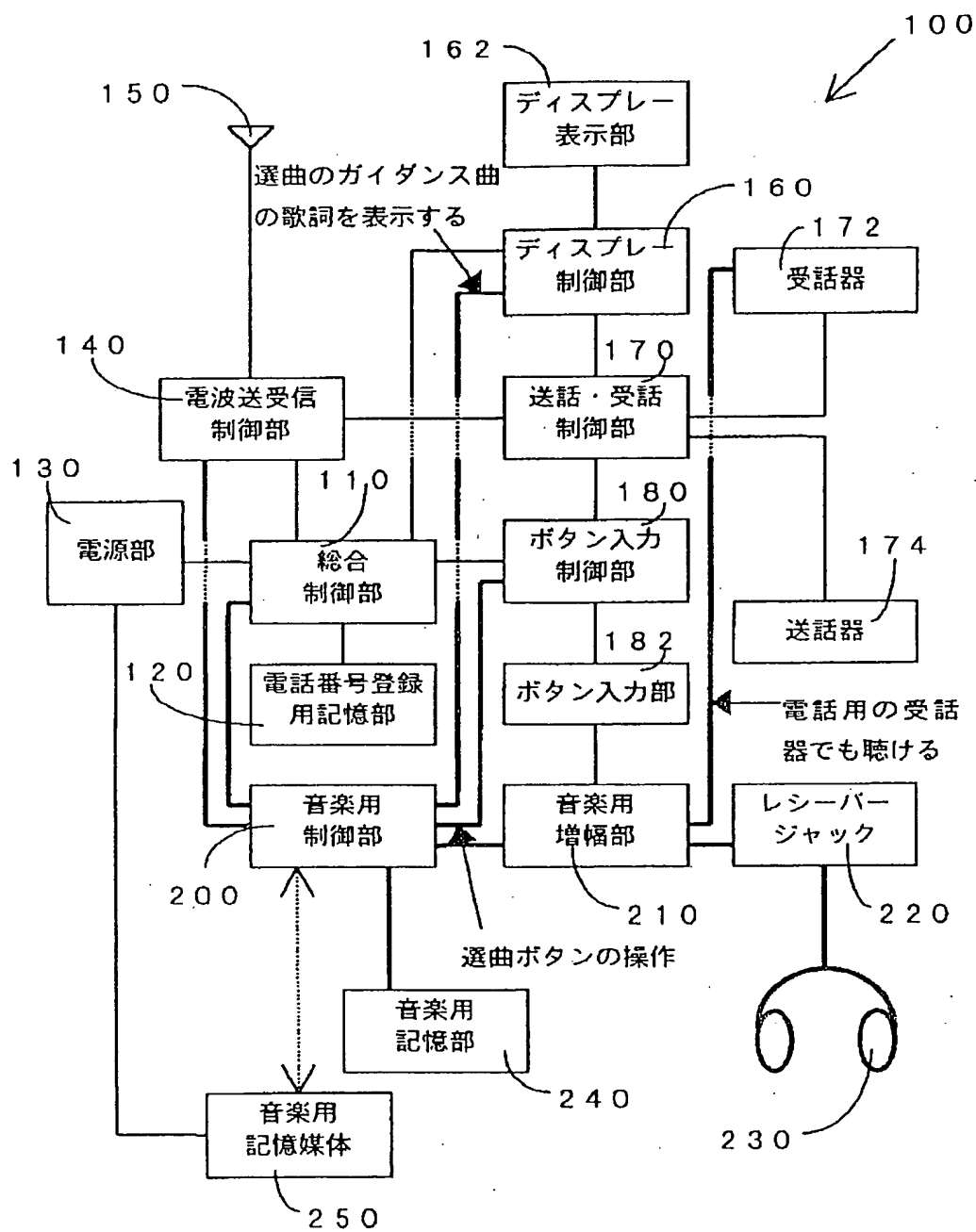
[0009] The pocket mold music song selection viewing-and-listening machine 70 is equipped with the removable storage 76 to a body 71. This storage 76 is a memory card like a magnetic card, a magnetic tape, CD and DVD, and an IC card. He can extract this storage (medium), can insert in other audio units, and can enjoy more nearly quality playback music while this music title will be enjoyed and he can carry out the thing of it with the display 72 and receiver 74 of the pocket mold music song selection viewing-and-listening machine 70, if a user operates the push button of a body 71 etc. and a music title is downloaded to the storage (medium) 76 of the pocket mold music song selection viewing-and-listening machine 70. Moreover, a music title can be made to be able to memorize in storage 76 in other audio units, this storage 76 can be inserted in this pocket mold music song selection viewing-and-listening machine 70, and music can also be enjoyed.

[0010] Drawing 2 is the block diagram of the pocket mold music song selection viewing-and-listening machine of this invention which has the function of a cellular phone. The pocket mold music song selection viewing-and-listening machine in which the whole is shown with a sign 100 has the comprehensive control section 110 connected to a power supply section 130, and, as for the comprehensive control section 110, the storage section 120 for telephone number registration is connected. While the carbon button input-control section 180 which has the carbon button input section 182 which a user operates minds [comprehensive / 110] a signal, and delivery and the comprehensive control section 110 mind the display control section 160 and displaying the contents of actuation on the display display 162, an accelerator is carried out to a public line network through the electric-wave transmit/receive control section 140 and an antenna 150. If a user calls a partner's telephone, the exchange can call a partner telephone and a user can telephone to a partner using the telephone transmitter 174 and earphone 172 which are connected to transmission and the receiver control section 170.

[0011] the control section 200 for music -- the comprehensive control section 110, a power supply section 130, the electric-wave transmit/receive control section 140, and the carbon button input-control section 180 -- it displays and connects with the section 160. If the command which a user operates the carbon button input section 182, and calls a distribution pin center, large is outputted, while the contents will be displayed on the display display 162, the electric-wave transmit/receive control section 140 accesses a distribution pin center, large via a public line network through an antenna 150.

[0012] If access is possible for a distribution pin center, large, a user will order it song selection and a distribution pin center, large will return the music title which selected the song. The control section 200 for music which received this music title amplifies a signal by the amplifier for music, and outputs voice to the receiver 230 for music inserted in the receiver jack 220. This voice output can be outputted also to an earphone 172. Information, such as words, is displayed on the display display 162.

[0013] The storage section 240 for music connected to the control section 200 for music memorizes a music title. A magnetic card, a magnetic tape, CD and DVD, and a storage 250 for music like a memory card like an IC card can take out this storage 250, and it can also be used for them in other



[Translation done.]

audio units etc. while they memorize a music title.

[0014] Drawing 3 is the flow Fig. of processing by the system of this invention. At step S10, music, words, and an image are registered from the record manufacture firm 20 to the distribution pin center, large 10 (modification and deletion). At step S11, a user is the display and push button of a pocket mold music song selection viewing-and-listening machine, and can choose a music name, a singer name, a genre, music name No., a composer name, etc. Step S12 transmits the music which selected the song, and words and an image to a user through a circuit from a distribution pin center, large.

[0015] Step S13 displays words and an image on voice and a display from a user's receiver. In with storage, it records and it makes after message termination refreshable. Step S14 will perform accounting, if transmission is completed from a distribution pin center, large. About accounting, it carries out based on Q2 method of NTT. At step S15, if telephone arrival is during playback from storage, a notice or display of interruption will be performed.

[0016]

[Effect of the Invention] Since this invention can enjoy the music title with which the user selected the song using the portable telephone as mentioned above, use of a public line network is also expanded and its service also improves.

[Translation done.]